

WARNING | TOXIC | ECOTOXIC
KEEP OUT OF REACH OF CHILDREN



DK-MESOTRIONE 480SC HERBICIDE



Active Ingredient: 480 g/L Mesotrione in the form of a suspension concentrate. Also contains 60g/L ethylene glycol
A selective herbicide for the control of broadleaf weeds in Grain and Silage Maize

Registered pursuant to ACVM Act 1997, Approval No. – P9710 See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996, Approval No. HSR100665 www.epa.govt.nz for approval conditions

A selective herbicide for the control of broadleaf weeds in Grain and Silage Maize
SHAKE WELL BEFORE USE

Net Contents: 5 Litres
Batch No:
Date of Manufacture:



Danken New Zealand Ltd
P.O. Box 16194 Hornby 8441
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Phone: 0800 326 536



READ LABEL COMPLETELY BEFORE USE

Hazard classification: Eye irritation Cat. 2, Specific target organ toxicity (Repeated Exposure) Cat. 2, Hazardous to the aquatic environment acute Cat. 1, Hazardous to soil organisms. Hazardous to the aquatic environment Chronic Cat. 1

WARNING:    

TOXICITY: Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure.

ECOTOXIC

Very toxic to aquatic life. Hazardous to soil organisms. Avoid contamination of any water supply with chemical, empty container or spray drift. Avoid release to the environment, Collect spillage. Do not apply onto or into water.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Do not allow spray drift to occur outside of the target area.

PERSONNEL QUALIFICATIONS: This product must be under the control of suitably qualified person when applied into or onto water, and the water has the potential to leave the application area. For a list of suitable qualifications refer to the Hazardous Substances (Hazardous Property Controls) Notice 2017 Subpart C. This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

CONDITIONS OF SALE

Danken New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Danken New Zealand Limited is limited to the replacement of the goods or (at the option of Danken New Zealand Limited) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Danken New Zealand Limited within thirty days of delivery.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilisers. Storage must be in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100 Litres are subject to signage, and more than 100 Litres require emergency response plans.

DISPOSAL

Triple rinse empty container and add residue to spray tank. Recycle empty container through Agrecovery (0800 247 326, www.agrecovery.co.nz). Otherwise, crush and bury in a suitable landfill.

PERSONAL PROTECTION

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, impervious, elbow-length gloves and boots. Remove protective clothing and wash hands, arms and face with soap and water thoroughly after handling and before meals. Wash contaminated clothing before reuse. Do not breathe mist or spray.

EMERGENCY RESPONSE (24 hours)
Ring from anywhere in New Zealand 0800 243 622

UN NO: 3082



ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Contains Mesotrione 48%) Packing Group III Hazchem 3Z Class 9
In a transport emergency dial 111, Police or Fire Service. For specialist advice in emergency only, call 0800 243 622 (24 hours)

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS 8409).

SPILLAGE

Wear appropriate clothing and prevent material from entering waterways. Contain liquid spills, absorb with inert material place in waste container. Wash area with water and absorb with more inert material. Dispose of waste safely to an approved landfill.

FIRST AID

If swallowed, rinse mouth but do NOT induce vomiting. Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

If on skin: Wash with plenty of soap and water. Call a POISON CENTRE or doctor if you feel unwell. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

SAFETY DATA SHEET

For further information refer to Safety Data Sheet (SDS), which is available from the supplier.

TRANSPORT

Do not carry greater than 10Litres of this product on passenger service vehicles.

RECORD KEEPING

Records of use as described NZS 8409 in Management of Agrichemicals must be kept if 3Litres or more of **DK-Mesotrione 480SC** is used within 24 hours

GENERAL INFORMATION

DK-Mesotrione 480SC is a selective herbicide for the control of a wide range of broadleaf weeds in grain and silage maize. **DK-Mesotrione 480SC** can be applied either pre or post emergence. **DK-Mesotrione 480SC** is absorbed through the leaves, shoots and roots of weeds, interfering with carotenoid biosynthesis. Complete weed death may take up to 2 weeks.

RECOMMENDED USES

DK-Mesotrione 480SC is effective against a range of broadleaf weeds including Bathurst bur, black nightshade, chickweed, dandelion, fathen, fennel, fishtail oxalis, hairy nightshade, galinsoga, mallow, redroot, seedling docks, spurry, stagger weed, twin cross, willow weed, wire weed. **DK-Mesotrione 480SC** is only partially effective against grass weeds. It is recommended that **DK-Mesotrione 480SC** is used in conjunction with other herbicides to provide broad spectrum weed control (see under 'rates of application' below).

DIRECTIONS FOR USE

Beware: Apply this product carefully. Spray drift may cause serious damage to desirable plants. A strategy to minimize spray drift should be employed at all times when applying spray near aquatic environments.

RATES OF APPLICATION

Restrictions: Use of this substance is limited to ground based low-boom application. The maximum application rate for this substance is 0.45L a.i./ha.

Pre-emergent: Use 350-450 ml of DK-Mesotrione 480SC per hectare. To increase the spectrum of weed activity, use in combination with 1.7 litres/ha of Atrazine 600g/L SC or 1.1kg/ha Atrazine 90% WG, or 2.3-3litres/ha of Acetochlor 840g/L EC.

Post emergent: Use 150-200ml of DK-Mesotrione 480SC per hectare. To increase the spectrum of weed activity, use in combination with 0.8-1.25 litres/ha of Atrazine 600g/L SC or 0.4-0.7kg/ha Atrazine 90% WG, or 300-600ml/ha Dicamba 500g/L SL, or 80-110g/ha Nicosulfuron 75% WG.

For optimal post emergent weed control, particularly against grasses, DK-Mesotrione 480SC must be used in tank mixture with oil adjuvant at 500ml/L per 100litres. Do Not use methylated seed oil adjuvants or cationic surfactants. Do Not use oil adjuvant when tank mixing with Dicamba 500g/L SL or Bromoxynil SC.

Note: Overseas literature indicates that the efficacy of Nicosulfuron may be reduced when it is applied in tank mixture with DK-Mesotrione 480SC, especially against yellow bristle grass.

TIMES OF APPLICATION

Pre-emergence: Apply to the freshly prepared seedbed immediately after planting and before crop emergence.

Post-emergence: **DK-Mesotrione 480SC** is most effective when applied to weeds up to the 8 leaf stage. Providing the spray has dried on the foliage, light rain after post emergent spraying will not affect the results.

Otherwise, rain within 3 hours of treatment may reduce effectiveness.

MIXING

Shake well before using. Pour the measured quantity of **DK-Mesotrione 480SC** into partly filled spray tank, then top up with water. Agitate thoroughly during filling and spraying and before recommencing spraying after a stoppage.

APPLICATION METHODS

Boom spraying: Use 100-300 litres of water per hectare. Use the higher volumes when used in conjunction with other herbicides and when spraying larger weeds. Do not use strainers finer than 300 micrometers.

Dry conditions following application may reduce pre-emergence effectiveness. If activating rain is not received with 7-10 days after a pre-emergence application, rotary hoeing is recommended to activate the herbicide.

WEED CONTROL NOTES

Organophosphate or carbamate insecticides. Severe crop damage can occur if **DK-Mesotrione 480SC** is applied in a tank mix with any organophosphate or carbamate insecticide, or within 7 days of any such application. **DK-Mesotrione 480SC** may be applied with pyrethroid insecticides.

Bleaching: Transient bleaching may occur after post emergent applications if undertaken when the crop is stressed, eg, drought. The crop will outgrow this and develop normally. Yield will not be affected.

Popcorn and sweetcorn. **DK-Mesotrione 480SC** can be phytotoxic to varieties of popcorn and sweetcorn and is not recommended for use.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIOD Grain maize and green feed/silage: 70days from the last application.

SOIL RESIDUES

To minimise soil residues which could affect subsequent crops, areas treated with **DK-Mesotrione 480SC** should be ploughed and cross cultivated between crops to ensure maximum dispersal of residues. Because residues may result from the use of **DK-Mesotrione 480SC**, planting of certain crops should be delayed to allow residues to decay. Allow at least 6 months before sowing shite clover or ryegrass. Allow at least 12 months for legume crops such as Lucerne, peas and red clover. For further advice contact a representative of Danken New Zealand Limited.